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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/735,150	12/12/2003	Congzhong Huang	TI-35473	1563
23494	7590 08/30/2005		EXAMINER	
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265			SLAVITT, MITCHELL R	
			ART UNIT	PAPER NUMBER
Dribbrio, 1	21132116, 171 /3263		2651	
			DATE MAIL ED: 08/30/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	A market Attack Attack					
	Application No.	Applicant(s)				
Office Action Summary	10/735,150	HUANG ET AL.				
Onice Action Summary	Examiner	Art Unit				
	Mitchell R. Slavitt	2651				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 23 May 2005.						
<u> </u>	s action is non-final.					
· <u>·</u>	_					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.						
· · · · · · · · · · · · · · · · · · ·	4a) Of the above claim(s) is/are withdrawn from consideration.					
<u> </u>	Claim(s) is/are allowed.					
_	Claim(s) <u>1,2 and 7-9</u> is/are rejected.					
7)⊠ Claim(s) <u>3-6</u> is/are objected to.	·					
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>30 April 2004</u> is/are: a)⊠ accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. State of Informal Patent Application (PTO 153)						
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Notice of Informal Patent Application (PTO-152)						

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-2 and 7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Meyer et al. (Meyer).

Regarding claim 1, a device (slider/transducer) in a first and second operation mode (reading and recording) is taught in the first sentence of the Abstract. The device receiving power is taught at col 6, lines 2-5. Delivering a compensation power equivalent to a power variance to a power heater for increasing temperature of the device by applying voltage, current and resistance is taught at col 6, lines 5-15. The compensation power is cooperable with the corresponding operation mode through the use of a sensor taught at col 6, lines 16-23. When the transducer is writing, it follows that a greater temperature is generated than when the transducer is reading. The sensor determines the temperature variances and signals the control circuit to apply additional amounts of heat, when necessary, to achieve the ultimate temperature required of the device at such time.

Regarding claim 2, under the caption, BACKGROUND OF THE INVENTION, page 2, lines 10-12, the two modes are identified and it is further stated that the write mode operation current requires more power than the read mode operation.

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Regarding claim 7, Fig 2 teaches a resistive heating element (60) and the transducer (48) in a heat transfer relationship.

Regarding claim 8, a sensor is taught at col 6, lines 16-23 that determines the sensed temperatures of the device while in either mode and transfers this data to the control circuit.

Regarding claim 9, a MR head is taught at col 11, lines 5-16 that allows for an alternative heating applied to the transducing element as distinguished from heating an element mounted to the head near the transducing element.

Allowable Subject Matter

3. Claims 3-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitchell R. Slavitt whose telephone number is (571) 272-7562. The examiner can normally be reached on M-F (6:30-4:00), 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Hudspeth can be reached on (571) 272-7843. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MS M/ 8/22/05 DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600